

.XHT-24A0401S1

4.5" Rugged PDA T9 Keyboard Mobile Handheld

Overview

XHT-24A0401S1 intelligent terminal is ideal for highly mobile outdoor and field workers in markets like logistics, construction, mine, military, field sales and the public sector. It meets MIL-STD-810G and IP67 standards for durability and protection against dirt dust, water, motion, vibration, temperature and other factors that would quickly damage an industrial-grade handheld device. It can withstand up to a 1.8m drop and 2 ton shock pressure test. It also comes with a suite of integrated features, including an UHF RFID, 1D/2D barcode scanner, NCF. Also it goes with a long-life 5000mAh/10000mAh battery sunlight-readable, and operating under extreme low temperature.

Features

- ARM Cortex A73 Octa-Core 2 GHz
- Operating System Android 9/10/11/13...
- Screen size 4.5-inch IPS, resolution 540x960 QHD
- Optional: 1D, 2D barcode reader, NFC, RFID
- Supports 4G, Wi-Fi, Bluetooth and GNSS
- High-capacity battery 5000mAh
- MIL-STD-810G & IP67 certified



I/O Interfaces



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Specifications

DISPLAY		
Size	4.5-inch IPS/AFFS QHD	
Touch type	Capacitive/Frosted tempered film supports glove touch / spray / active capacitive pen	
Resolution	540x960	
Luminance	500 nits	
SYSTEM		
CPU	MediaTek MT6771 ARM Cortex-A73 Octa-Core 2.0 GHz	
Memory	6 GB	
Storage	64 GB	
External Memory	Micro SD Card (T-Flash Card), max 1TB	
Graphics	ARM Mali-G72 MP3	
Operating System	Android 9/10/11/13... (Continuous Updates)	
Camera	Main : 13.0MP (AF) with Flash Led	
Sensor	Gravity, Magnetic Field, Motion, Gyroscope, Light, Acceleration	
I/O PORTS		
USB	1x USB Type C OTG	
SIM Card	1.8/3.3V SIM Card	
TF Card	Micro SD Card (T-Flash card), max 1TB	
Charging interface	1x Type-C & 2-Pin Pogo Pin	
Headphone	3.5mm (CTIA)	
COMMUNICATION		
Wi-Fi	Dual-Band Wi-Fi (2.4GHz/5.0GHz), single stream 802.11 a/b/g/n/ac	
Bluetooth	Bluetooth V5.0 Low Energy (LE)	
Cellular	Phone Call : GSM/WCDMA/VoLTE 2G : GSM/EDGE/GPRS/WAP 2G BAND : GSM (B2/3/5/8) 3G : WCDMA 3.75G (HSPDA+42.2Mbps, HSUPA+11.5Mbps) 3G BAND : WCDMA (B1/2/5/8) 4G : FDD: 150Mbps down, 50Mbps UP TDD: 150 Mbps, 50Mbps UP 4G BAND : TD-LTE (B38/39/40/41); FDD LTE (B1, B2, B3, B4, B5, B7, B8, B12, B17, B20, B28)	
GNSS	GPS, GLONASS, BeiDou, AGPS, SBAS (EPO 2.5m)	
OPTIONAL MODULES		
Extension 1	UHF Module	(M500 ASTM) + Antenna (M500 EN) + Antenna
	LF RFID Module	125K LF ID Card (8H-10D) 125K LF ID Card (10D) 125K LF HID Card Module 134.2K LF Animal Tag Module
	HF RFID Module	13.56M HF module (single protocol) 13.56M HF module (multi protocol)
	1D/2D Barcode Module	
	RS-232 Module	Optional RS-232 serial port, using M8 5-Pin aviation plug to 9-Pin adapter
	NFC Module	
	Other customer supply	Need to meet the interface conditions: Powered by

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	modules	3.3V-1.5A/5V-1.5A, UART interface, interface level 3.3V/5V, GPIO 1 /Electrical level 3.3V/5V
Extension 2	Battery	Optional 10000mAh – Replaceable battery
	NFC Module	
ENVIRONMENT		
Charger	5.0V 2A 10W	
Operating temperature	-20°C to 55°C	
Storage temperature	-40°C to 80°C	
Relative humidity	5% to 95%, non-condensing	
Operating Altitude	Max: 4,500m (15,000 feet)	
Shake-proof	1-19Hz /1.0mm; 19-200Hz/1.0g	
Dropproof / IK	MIL-STD-810G/Method516.6/Procedure IV & Touch Panel IK05	
Waterproof	Class 7 (IEC 60529)	
Dustproof	Class 6 (IEC 60529)	
Reliability	MTBF >5000h; MTTR <0.5h	
IP Rating	IP67	
Language	English, Spanish, Portuguese (Brazil), Portuguese (Portugal), Italian, German, Dutch, French, Polish, Romanian, Turkish, Russian, Arabic, Indonesian, Malay, Thai, Vietnamese, Hindi, Hebrew, Simplified, Chinese, Chinese Traditional,...	
BATTERY		
Battery type	5000mAh – Replaceable Battery	
MECHANICAL		
Dimensions (L x W x H mm)	200 x 92 x 27 mm	
Weight (kg)	420g	
Color	Black&Yellow, Black&Green, Black&Gray (PC+ABS+TPU)	
CERTIFICATION		
Certification	CE, 3C, ROHS, FCC	

Dimensions



Ordering Information

Ref.	Description
XHT-24A0401S1	4.5", 540x960, 500 nits, MT6771, 6+64GB, Gray, Neutral